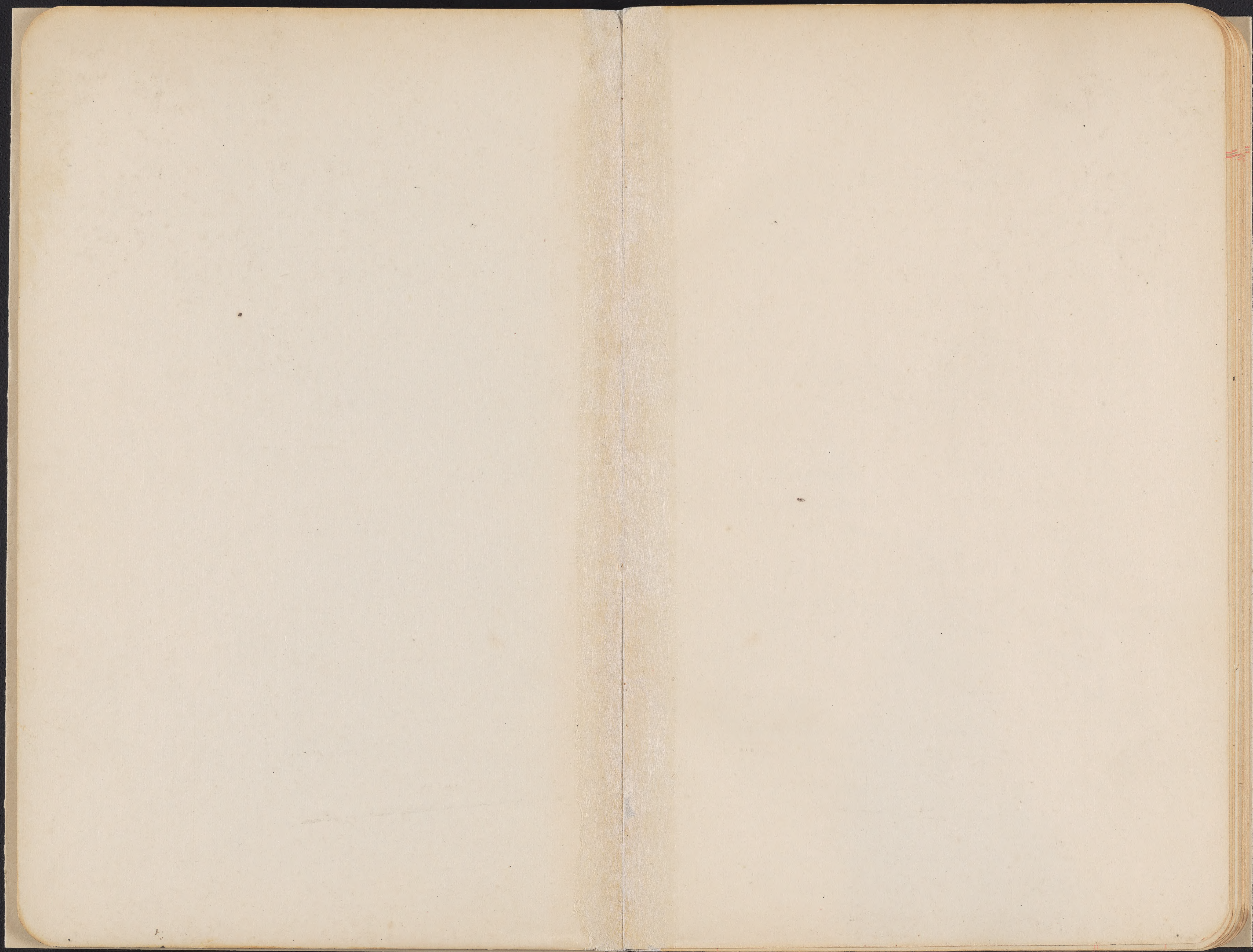


Sumner

1810

Dr. A. C. ...
Washington



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June

- 15 A.S.H. & Frank H. Hitchcock (collaborator) started from Washington, C & O. 6³⁰ P.M.
- 16 Arrived St Louis 6¹⁰ "
- 17 Left on Iron Mt. 8³⁰ "
- 17 Enroute
- 18 Arrived San Antonio 7³⁰ A.M.
 Telephone to Mr. Hastings, Sup't.
 of Schoffields Exp. Farm, who
 met us at St Anthony
 Hotel at about 10⁰⁰ A.M. He
 took us to Exp. Farm for
 dinner. Board & lodging here
 \$1.50 per day each.
 Collected during afternoon
 in vicinity of house.
- 19 (Sunday) Collected on farm.
- 20 Went to New Braunfels on
 7¹⁰ A.M. train, getting breakfast
 at New Braunfels. Returned
 at about 8⁰⁰ P.M. M.K. & T.
- 21 Collected in Iron Mt. F.H.H.
 to river east of city.
 In afternoon went to Kerrville

about 8⁰⁰ P.M. (3 A.M.P.) arrived
at K — for supper (St. Charles
Hotel).

- 22 Collected around Kennell.
The country here is more
mountainous or hilly &
sluffy (humid). The grass
on the hills is too dry
& late. The grass flowers
direct to S. Anton.

As *Erigeron* (5280) is abundant
along by track & open soft
ground.

- 23 Started from K — 7⁰⁰ A.M.
Arrived S. Anton. 8⁴⁵. Went
out to Corbin. Collected
rest of day.

- 24 In forenoon Mr Hastings drove
us over to the Sewer Farm
by Lake Mitchell, about to the
summit of Exp. Farm. We got
several sets of insects 5325-
5335. Rained in afternoon. Took
all the time left before at night
to put up sets.

- 25 Weather continuing to clear
showers. Trying to dry

- 26 paper. Left S. Anton. 1⁴⁰ S.A.M.P.
for Corpus Christi - supper at Gregory
Arrived at Corpus Christi about
9⁰⁰ P.M. Went to Home Apartments.

- 27 Collected south of town during
forenoon. Left for Brownsville
4⁰⁰ P.M. (St. L. B. & M.). Change at
Robstown - 30 minutes for collecting.
Arrived at Brownsville 11⁰⁰ P.M.
Went to San Carlos Hotel.

- 28 Went to Exp. Sta. and saw
Mr Green. Collected in evening
in forenoon. In afternoon
collected along by north of
town especially along the
irrigation ditches. Collecting
very poor.

- 29 Went to Isabel on the bay
(Rio Grande Ry - 40¢ each way)
Took sail boat for Tarpen
Branch (Public conveyance
in place of ~~small~~ launch - 75¢ rt.)

Grasses of brush down, with
a tendency to sand flat
or brushy marsh on west.
Much paniculata⁽⁵⁴³³⁾ and
Spartina⁵⁴³⁶, Eragrostis (5437) the chief
grasses in flower in the depression
between.

Very little at Isabel. Dry
& grazed by donkeys & goats.

22

Left Brownsville 8²⁰ AM
Arrived Sarita 8³⁵. Left 7²⁵ PM
Arrived Corpus 9⁴⁷. Went to
State Hotel. Took walk
through marshes stopping at
Sarita.

Was collecting at Sarita
very good. Sandy prairie.
About 3 miles south are
dunes, some bare & moving,
others covered with scrubby
oak forest or thickets.

Common grasses around
town are Carex (5435)
Aristida (5443), Paspalum (5442)

Chloris (5446), Panicum capillare
Lissium (5448), Eragrostis utzleri
(5450), Eragrostis serripes (5448),
Eragrostis (~~5448~~ 5449). Along by
road to north, on road
between Rio de Hupa (5453)
Bridle trail on right of way
Panicum capillare (5454),
Panicum nodosum (5456).

To south along low ground, not
especially sandy Spartina panicu-
lata (5469) in clumps.
Along ditch from Antonio
well, Leptochloa umbellata &
L. fasciculata (5463, 5485)

In oak woods under Pini.
fruticulosa (5476)

At Corpus Frank obtained
3 sets.

July

- 1 In mail Corps to San Antonio Arrived (1st). Rest of afternoon & evening pulling in plants in press. At San Antonio was obliged from lack of time to put up sets in bundles in paper.
- 2 Drying dried H. Making out expenses accounts. In afternoon Frank & I went to San Antonio to draw account before notary.
- 3 Packing & arranging plants for shipment.
- 4 Packing and arranging plants. Made 10 more bundles for shipment. These I left with Mr Hastings for mailing. We left in the evening for Laredo, taking a sleeper.
- 5 Arrived at Laredo in the morning. We remained till noon, collecting, and took the noon train for

- Monterrey, at which place we arrived in the evening. We went to the Hotel Continental (E.P.). We got a food room - 2 beds - for 2 1/2 each per day.
- 6 In the forenoon we climbed the hill south of town but got little as it was too dry. In the afternoon we went to the suburb, Topo Chico & made good collection in the irrigated fields.
 - 7 In the forenoon, in company with Mr Dunn we went out to the Sierritas and made collection in the fields. In the afternoon I made a second trip to Topo Chico.
 - 8 Mr Dunn took us to Chaparral, a suburb, in the forenoon.
 - 9 We were packing during forenoon. Sent 2 packages by parcels

pent. While at Monterey I
received from Mr. Chan a
bundle of white paper upon
which I had a pay 60¢ duty
A package of slips came duty free.

We left Monterey at
1³⁰ for Saltillo where we arrived
in the evening about 6⁰⁰ P.M.
We went to the Hotel
Columbia (A.P.) & had a
room with 2 beds.

Grasses at Monterey.
Except in the vicinity of
irrigated fields there is
nothing in grasses. But at
those places are not only
weeds but the native grasses
that are to be found on the mesa.
Common in the irrigated fields are
cornfields are *Panicum fasciculatum*
Sorghum halepense, *Leptochloa*
micrantha, *Cenchrus* (5-5-58)
Along the edges of fields and
apparently native mesoplants.

Bouteloua (5-5-31), *Andropogon sacchar-*
atilis, *A. barbimoda*, *Volatula sac-*
charatus, *Leptochloa copulata*,
several species of *Chloris*, *Arundo*
(5-5-26), *Panicum obtusum*, *P. hallii*,
Stipa leucobolus, *Panicum capillare*,
Arundo Donax forms thickets
along the river in several places.

Forage plants.

The chief forage plant is
corn which is extensively planted.
This is planted to form a succession
of cuttings. In the early part of
the season cuts are given.
No hay is made. I saw no
alfalfa. Burros, goats, or pigs
are doing off in the vicinity
of the town.

The flora (grass) appears to be
similar to Southern Texas. Many
species known only from Texas
were found at Monterey
e.g. *Panicum texense*.

July

- 10 We went north of town & collected in the irrigated fields. In the afternoon I went alone & completed some sets. Frank dried the skins on the roof of the hotel.
- 11 We went south along the railroad and found some collecting.
- 12 Frank taken with dysentery last night. 2 salol tablets at midnight. Carlos out at 8^{am}. Walpole, Bismuth at about 9^{am} & there after all day. Exhausted medicine & commenced giving salol pill at 3^{am} every 4 hours.
- 13 Saw Dr. in forenoon. Same prescription of Bismuth subnitrate & chalk every 3 hours with a salol tablet. Nothing to eat yesterday till night, when he had glass of milk & milk toast. Morning for breakfast the same.

noon, milk & rice soup. Night, milk & soft boiled egg. Condition improving during day. Not sleeping at any time. Remained in bed 12^{hr} & 18^{hr}.

- 14 Frank's condition improved. I collected at intervals ¹²⁻¹⁵ & packed plants for shipment - 2 packages. Partly 72 & 84 cms respectively. Left at 10⁴⁵ PM for San Luis Potosi. Took sleepers.
- 15 Arrived at S. L. Potosi at 7³⁰ AM. Went to Hotel Internacional. Collected south west of town all day. Got one set.
- 16 Collected south west of town got 8 sets. Raining or threatening all day.
- 17 Went to Soledad - a suburb.
- 18 Went to Morales - a suburb.
- 19 Went to Cardenas in the

morning - arriving at noon
Frank & I collected around
Cardenas during the
afternoon. We returned
to S. Luis that night.
Remained at Cardenas
lodging with the Chinaman
that keeps the restaurant.

- 20 Departed from Cardenas
to Las Canoas making
good collection. I took
the train at Las Canoas
for Tampico with afternoon
arrived at Tampico
at 10⁰⁰. Went to Southern
Hotel where I got a very
poor room.
- 21 Collected around Tampico.
I went over to La Bama
in the morning, returned
at noon. Took the train
for S. Luis at about 3⁰⁰ P.M.
- 22 Arrived at San Luis
in the morning. I took no

- deeper. The remainder of the
day was used in preparing
the plants for shipment. Sent 20-21
- 23 Left for Queretaro, arrived
there about 3³⁰ P.M. Went
to Gran Hotel. Visited the
Maximilian chapel that
afternoon.
- 24 Collected east of town around
the old aqueduct etc. Sent 22-23
- 25 Collected West of town.
- 26 Packing plants for shipment
during forenoon. About 1⁰⁰ P.M.
Started for Mexico City, arrived
about 8 P.M. Went to Clark's
Alameda Hotel.
- 27 Went to Xochimilco with Mr.
Thompson & Frank.
- 28 Went alone to Tacubaya
- 29 Went to Azcapotzalco
- 30 Mr. Thompson, Frank & I went
to the Pedregal. Went by
Electric to Chapultepec, by under-
pass to San Fernando which

is on the edge of the Piedregal
This is a lava formation, full
of holes, depression scars, the
vegetation is mostly xerophytic
Cactuses, agaves & many in-
teresting grasses.

- 31 Sunday - Went to bull fight.
Aug 1 } Preparing for trip south. Purchased
2 } tickets, packed plants etc.
3 Went to Papo Park. Arrived
before dawn. Consulted with
Captain Holt who wished
to keep me in charge
after the 3rd in return for in-
formation on agriculture
matters.
4 Started with burro to carry
baggage. Went to alone
ascended Popocatepetl to
about 11000 feet where
we camped.
5 Went on up to near snow
line where we left the
burrow & went on to about

snow line - 14000 feet but the
weather was stormy, rain, sleet,
hail & snow. It got so bad
that we returned. Descended
to old camp for night.

- 6 Reached Papo Park at 8^{PM}
7 Remained at Papo Park resting
(Sunday)
8 Went to Mexico in morning.
During day made various
arrangements for Oaxaca trip.
9 Started for Puebla in evening.
9 At Puebla purchased tickets
for Oaxaca - \$15.00 limit
15 days. Stop only at Tehuacan.
Paid for 50 kilos baggage.
Arrived at Tehuacan at about
9^{AM}. Stopped at Hotel Mexico
10 Collected around Tehuacan.
11 Cactuses & very abundant.
11 Left for Oaxaca at 8^{AM}
Took dinner at Toluca
Arrived at Oaxaca about 8^{PM}.
Stopped at Hotel Chavez

send bundle of plants (26) - Post. 1928

- 12 Collected around Cuxaca, Mr. C. H. Thompson accompanied us in forenoon. In afternoon I went alone.
- 13 Went to Tula, a village a few miles from Cuxaca - connected by train way. At Tula in the yard of the church is an immense cypress tree.
- 14 Left about 6⁰⁰ AM for Toluca. As I could not use my ticket I got a 2^d class ticket. Arrived at Toluca at about 10⁰⁰ AM. Put up at Chinese Hotel. Collected north of station before dinner. Afternoon collected south of station up the canon & Kilom.
- 15 Collected in hills west of our fields north. *Panicum* (*hirsutum*) is a common weed in the cornfields. *P. virgatum* grows on the rocky hills. *P. repens* is also a weed in fields.

P. barbinode common but not infrequent. Left for Tehuacan at 10⁰⁰ AM. Frank was on the train having remained at Cuxaca over Sunday. Arrived at Tehuacan about 3⁰⁰ PM. Went to Hotel Mexico where I have left some plants.

- 16 Left at 9⁴⁵ for Esplanaya. Arrived at 12¹⁵ for dinner. Transferred to other road - a few hundred yards. Eating station on Fer. Mex. Ry. At 12³⁰ left for San Andres arriving in about an hour. From here a horse car line goes to Chalchicomula. We arrived at latter place in about another hour. Went to "Gran Hotel y Restaurant de Siglo Veinti" where I visited Dr. Don Camilo Averame an Italian gentleman who speaks English for use of guest service to me.

- He arranged to have guides
for me to go to Mt Arigaba.
- 17 We started for Mt Arigaba
about 10³⁰. 2 saddle horses,
3 mules & 3 guides. One mule
was for our baggage, the
others for the guides' stuff.
Arrived at camp for night
at 5⁰⁰ PM - a camp in
timber line, 13000 feet.
- 18 Arrived at 2⁰⁰ PM. Started
at 8⁰⁰ PM. Two guides, Frank
& I, went. Other guide remained
at camp. At 15000 feet
Frank was obliged to return
because he felt cold.
After a wait of an hour, I
went alone since other
(the guide & I) went on. I went
ahead. The wind was very
strong. A few hundred feet
from the top, (over 20000 ft) the
guide who was with me
felt better and called me

- back & said it was too dangerous
to remain longer & we must
descend. Arrived at camp
soon after noon. Started back
about 2 & arrived at Chal-
chicomula about 6 PM.
- 19 Collected around town - worked
too hard & brought on dys-
entery.
- 20 }
21 } Down with dysentery
22 } Sent 2 mules, plants
23 Went to Arigaba. We left our
mules at Esperanza. Slept
at Hotel Francia.
- 24 Frank & I collected around
Arigaba. In the forenoon we
went by mule to a suburb
Rio Blanca in the valley and
walked back. In the afternoon
we went up the hill west
of the city nearly to the top.
This evening Frank returned
with our collectors to Esperanza.

25 I collected during the forenoon
on the same hill summit
I went to the top & returned
on the other side. In the
afternoon I went to Cordoba
Stayed at Hotel Coballos
(Zevallos).

26 } Collected around Cordoba.

27 } The region is more tropical
than Orizaba. Found many
Panicum & Poa species.

Returned in evening of 27 to
Esperanza, where Frank was
(Rastron Restaurant) Frank
went on the 25 to Tehuacan
to get plants left there, & Sunday
he returned to Esperanza on the 26

28 Collected around Esperanza and
packed specimens to send to
Washington. Sent 5 bundles

29 At noon we went to
San Marcos to change for
the Interamerican Ry. Collected
around San Marcos & the latter

part of the afternoon. Stayed
at a little shack for "hotel"

30 In the morning went to Vera Cruz
arriving in the evening. Stayed
at the Hotel Universal.

31 Collected at Vera Cruz. Weather
hot.

Sept Collected during forenoon. Packed
plants for shipment in after-
noon. Shipped 4 bundles.
Went in evening to Jalapa, ar-
riving at about 11⁰⁰. Stayed
at Gran Hotel.

2-3 Collected around Jalapa

Went to a station, Coatepec,
12 Km. south of Jalapa & walked
back. Left for Mexico in the
evening about 11³⁰. Took sleeper but
Frank could not get a berth.

5 Arrived in Mexico about 8⁰⁰ A.
Went to Clark's Alameda.
During the day my attention
to morning business, such
as tickets to Manaplan & Manaplan

and had light route over
narrow gauge from Mexico to
Tuxtla.

6 I went to Palencia, 8th A. &
left Tuxtla in morning to look
after drying the large
collection in hotel in house.

Arrived about 11^{am}. Stopped
at Hotel Greenfield. Collected
during afternoon on hills.

7th Collected during forenoon
in valley along Railway.
Returned to Tuxtla in afternoon.
Arrived in evening.

8 Went to Balsas at 7³⁰ A. ^{leaving}
Arrived in evening 6³⁵. Stopped
at Chinese Restaurant.

8th Collected forenoon & afternoon.

9th Left Balsas at 7³⁰ & arrived
at Cuernavaca about noon.

Stopped at Bella Vista.

Collected during afternoon.

10th Collected during forenoon.
Left for Tuxtla at 5th P.

12 Collected to Tuxtla in morning
& packed & shipped & bundled
plants. Left Tuxtla at 8¹⁵
Arrived at Toluca at 7³⁰ but
did not get to hotel till 8th P.
Stopped at Hotel Leon de Oro.

13 Collected around Toluca. Had
intended to go to Toluca
mountain but found I could
not reach it & return in one
day.

14 En route to Acambay & Amapam
Spent night at Acambay
& had about 1/2 hour collecting
before dark. Stopped at
Internacional hotel.

15 Got up early & collected for an
hour before breakfast. Then
got a set of Echinococcus holsti
forms. Remainder of day spent
in getting to Amapam.
Arrived in evening & went to
San Carlos hotel.

- 16 Got a horse in forenoon
 & collected in hills. Frank
 collected most of forenoon. In late
 afternoon ~~Frank & I~~ collected
~~along the railroad in the valley~~
~~in the hills.~~
- 17 Took whole day to get back
 to Acapulco, arriving at
 4th P.M. Got lot of grass we
 saw there. I made 2 pkgs
 of plants from here. Staid
 at 6th for Celaya arriving
 at 8th. Waited here till about
 2 or 3 in the morning. Arrived
 at Irapuato about 8th &
- 18 Started for Manzanillo,
 but to Colima in evening
 & stayed over night at
 California hotel.
- 19 Went on to Manzanillo
 arriving for dinner. ^{Hotel Manzanillo} Collected
 during after noon along
 Lagoon.
- 20 In forenoon collected along
 beach. Left after dinner for

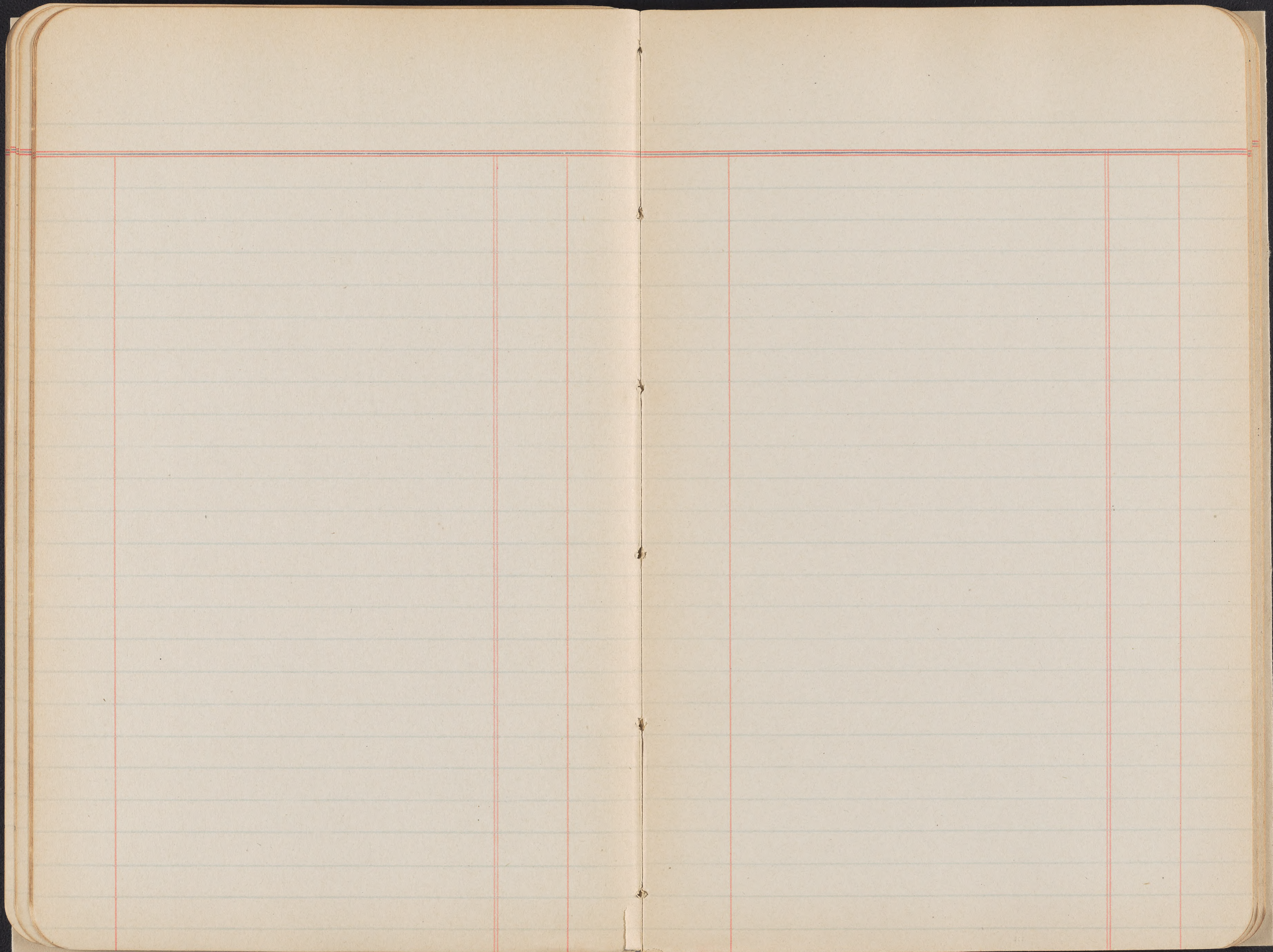
- Colima, arrived in
 evening. Went to Hotel Colima
- 21 Went to Alzate, a station in
 the hills & walked to Terenango
 the collecting was rich.
~~Frank sent 2 packages of plants.~~
- 22 Went to Zapotlan. Stopped at
 Hotel Angiano. During after
 noon collected along by
 south of town.
- 23 Left Frank to look after plants
 & went home back to El Colima
 (El Nevada) most gentle.
 Started about 3th A.M. Arrived
 at the Ranch at noon, where we
 remained till the following
 morning. Went to bank of river
 to left fence & horses. I cleared
 the park & we returned to ranch
 by noon & to Zapotlan by 5th P.
- 25 Frank went to Guadalupe
 & on the same train I went
 as far as Nicolas to collect.
 returning to Zapotlan in
 the after noon.

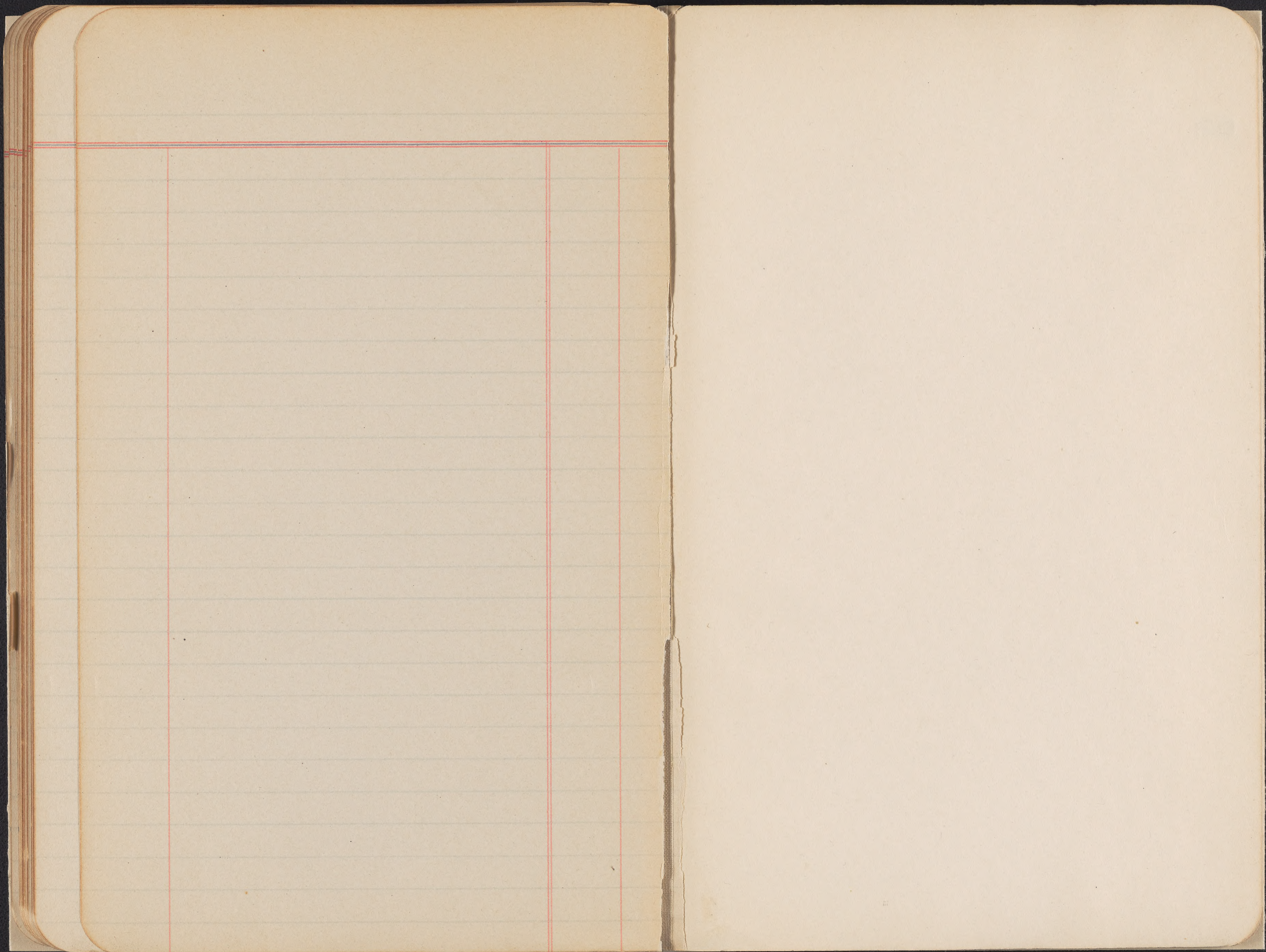
- 26 Frank stayed over night at Guadalajara starting for home the morning of the 26 I started for Guadalajara arriving at 2⁴⁵. I stopped for Zapotlan & packages of plants. Many of them were not in good condition.
- 27 Went to San Pedro in afternoon. In forenoon was drying papers.
- 28 Went to Barranca Oblatos a gorge of the San Pedro river.
- 29 Went to Orozco a flag station south of Guadalajara. Extensive ponds on crocks. Found interesting water grasses.
- 30 Packed plants for shipment. Left at 2⁴⁵ P.M. Arrived Tijuana 9³⁰ P.M. Stopped at Pan American Hotel - Amer. management. Collected at Tijuana. Left at 5⁰⁰ P.M. Arrived at Agua Calientes at 1¹⁵ P.M. Stopped at Moon Hotel - Amer. management.

- 2 Collected at Agua Calientes.
- 3 Left 9³⁵ A.M. Arrived at Tijuana at 12³⁵ P.M. Stopped at Hotel Coler - Mexican West Coast. Collected about 2 hours. Region arid & few grasses.
- 4 Collected both forenoon & afternoon.
- 5 Left Tijuana 2⁴⁰ A.M. Arrived Tijuana 11³⁵ A.M. Stopped at Railway Hotel - new depot - Chinese. Region very arid. Grass few here in good condition. Collected during afternoon.
- 6 Left at 8⁰⁰ A.M. Arrived at Durango 2³⁰ P.M. Stopped at Hotel Internacional. Collected a short time in afternoon. Collecting & collecting.
- 7 Collected during forenoon going to near mountains. During forenoon about papers.

went to console.

8 Collected during forenoon
Afternoon took papers to
Railroad today. Did not
make trip to Repubans
because train runs only 3 times
a week, up Friday & back Sat.
If I went Friday could not
return till Sunday & did
not want to spare the time.





6428

